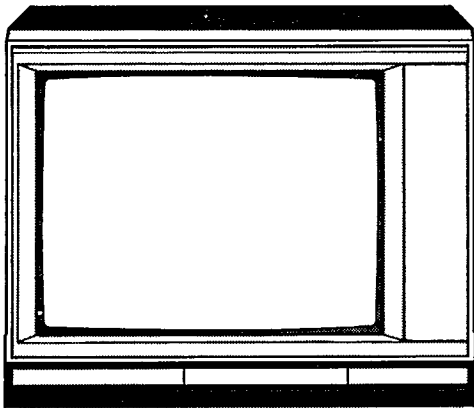


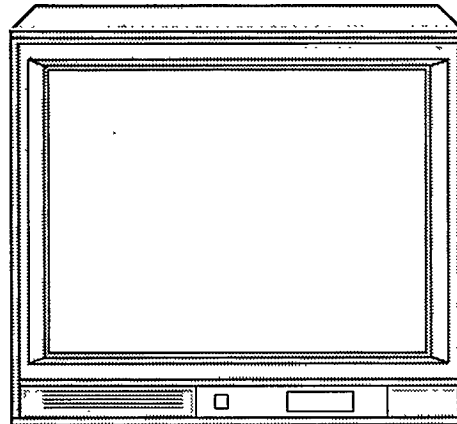


CONSUMER ELECTRONICS

PHILIPS

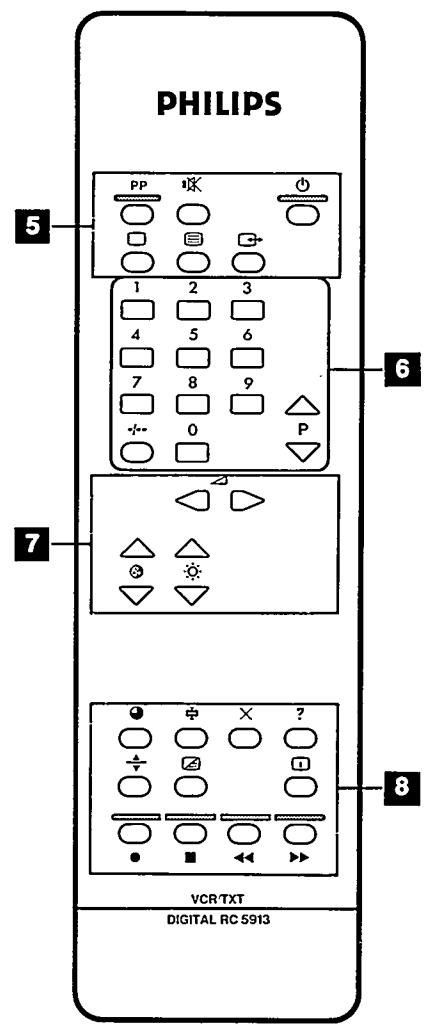
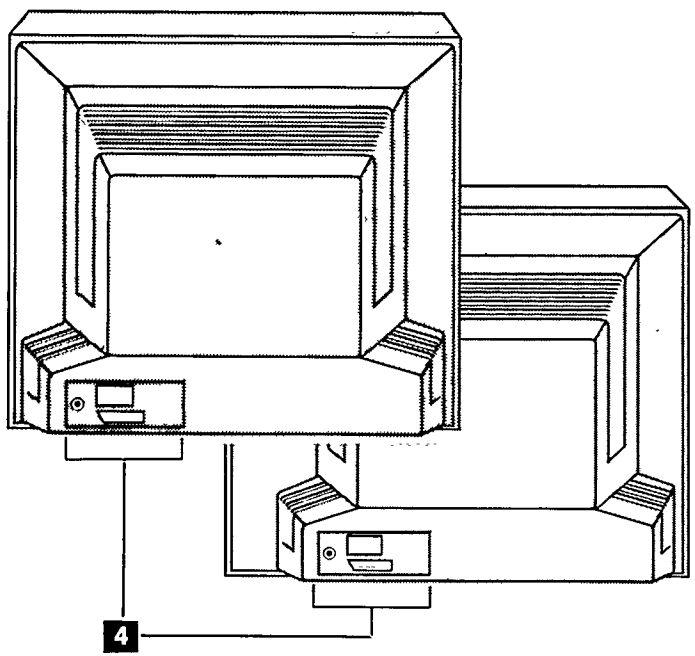
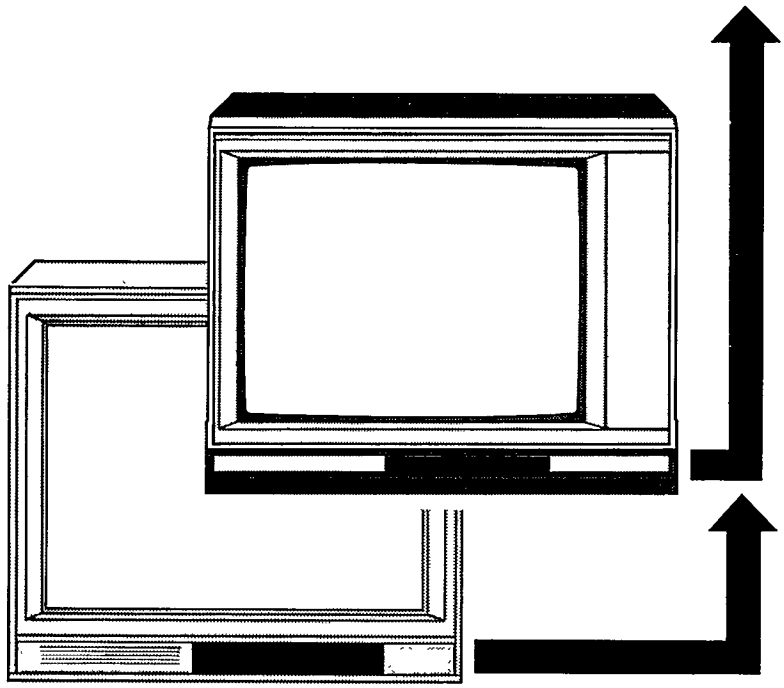
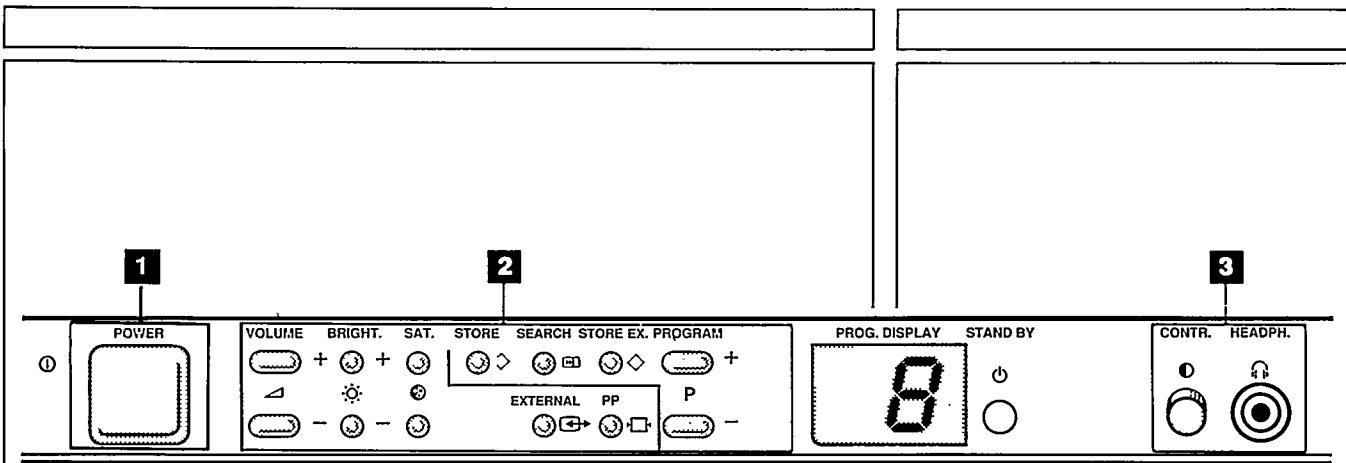


*25CE6271
25CE6571
25CE6578*



*25CE6270
25CE6570
28CE6590*

COLOUR TELEVISION



English

Operating instructions

Attention!

- Always open this flap page first.

Information for users in the UK

(Not applicable outside the UK)

Service for you

Your colour television has been designed and manufactured to the highest standards, and subject to rigorous testing. Provided it is properly operated and maintained it will perform well for many years. However, we all know that in such complex equipment components can sometimes fail.

The legal responsibility for meeting any in-guarantee service needs for your receiver rests with the dealer from whom you bought it. If your dealer has no service facilities, he can arrange for any work to be carried out by a competent third party organisation.

In any event you may expect speedy attention to restore your set to full working order without delay.

Free service for 2 years:

The dealer from whom the receiver was purchased will arrange for any defect in manufacture or material to be rectified without charge for a period of 2 years from the date of initial consumer sale provided:

- reasonable evidence is supplied that the set was purchased within 2 years prior to the date of claim
- the defect is not due to use of the set on an incorrect voltage or contrary to the Company's Operating Instructions or to accidental damage (whether in transit or otherwise); misuse; neglect; unauthorised or inexperienced modification or repair.

The picture tube guarantee is administered by Philips Components Limited.

In addition to the customary 2 years free tube guarantee, Philips Components will consider extending the guarantee period, please see the separate card enclosed for details.

Service after 2 years:

Continuing service after 2 years is available in the same way but the service will be chargeable.

These statements do not affect your statutory rights as a consumer.

If you have any question which your dealer cannot answer, please write to:

C.E. Consumer Relations Department
P.O. Box 298
420 London Road
Croydon CR9 3QR

All enquiries and claims can be handled more efficiently if accompanied by the Identity Card printed on the back cover of this booklet – this is provided for your reference and should be kept in a safe place.

Positioning the TV

For the best results, choose a position where light does not fall directly on the screen, and at some distance away from radiators or other sources of heat. Leave a space of at least 3 cm all around the TV for ventilation, making sure that curtains, cupboards etc. cannot obstruct the air flow through the ventilation apertures.

The TV is intended for use in a domestic environment only and should never be operated or stored in excessively hot or humid atmospheres.

General Points

Please take note of the section 'General' at the end of the English section in this booklet.

Interference

The Department of Trade and Industry operates a Radio Investigation Service to help TV licence holders improve reception of BBC and IBA programmes where these are being spoilt by interference. If your dealer cannot help, ask at a main Post Office for the booklet 'How to Improve Television and Radio Reception'.

Mains connection

Before connecting the TV to the mains, check that the mains supply voltage corresponds to the voltage printed on the type plate on the rear panel of the TV. If the mains voltage is different, consult your dealer.

Important

The wires in the mains lead are coloured in according with the following code.

BLUE = NEUTRAL
BROWN = LIVE

To fit a mains plug:

Connect the BLUE wire in the mains lead to the NEUTRAL terminal of the plug, marked 'N' or coloured black.

Connect the BROWN wire in the mains lead to the LIVE terminal of the plug, marked 'L' or coloured red.

Do not make any connection to the terminal in the plug which is marked by the letter 'E' or by the safety earth symbol \perp or coloured green or green-and-yellow.

If the mains plug (or adapter) contains a fuse, this should have a value of 3A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead – not only over the two wires.

Connecting the aerial

The aerial should be connected to the socket marked π at the back of the set. An inferior aerial is likely to result in a poor, perhaps unstable picture with ghost images and lack of contrast. Make-shift loft or set-top aerials are often inadequate. Your dealer will know from experience the most suitable type for your locality.

Should you wish to use the set in conjunction with other equipment, which connects to the aerial socket such as TV games, or a video camera it is recommended that these be connected via a combiner unit to avoid repeated connection and disconnection of the aerial plug.

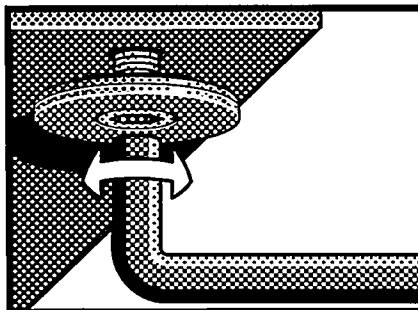
Loop aerial (if provided)

The loop aerial packed with the set will give satisfactory reception under good signal conditions. Fit the aerial bracket and lead by pushing the peg into the square hole in the backcover until it latches in place. Attach the ends of the loop to the mounting studs on the bracket and fit and tighten the knurled nuts. Then insert the plug on the lead into the aerial socket.

Fitting the stand (if provided)

Use only the stand provided with the set, making sure that the fixings are properly tightened. A diagram showing how to assemble the stand is packed in the castor bag. **Never** use a make-shift stand, or legs fixed with woodscrews.

In some models only, in order to fit the stand it may be necessary to remove the feet with the key provided (See Illustration).



To fit the stand remove the feet on the TV using the key supplied (see illustration).

Installation

In addition to the Operating Instructions, a remote control and 2 batteries are supplied in a separate packaging with this TV.

Introduction

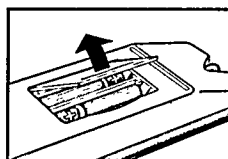
The easiest way to learn how to use this TV is to perform the operations described in the order shown.



Important

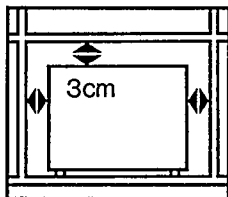
The drawings in the text are accompanied by figures, e.g. **1**. These correspond to the figures on the fold-out flap. This enables you to easily find the corresponding buttons on the TV and remote control.

Remote control



Inserting the batteries

- Remove the cover.
- Insert the 2 batteries as shown.
- Replace the cover.

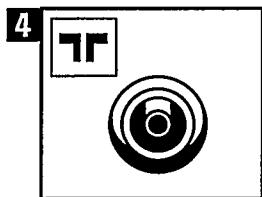


When positioning (building-in) the TV leave a space of **at least 3 cm** around the set for ventilation.

The TV is suitable for 220-240 Volts. Consult your dealer if voltage is different.

- Connect the TV to the mains.

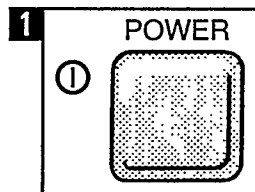
Refer to the mains connection on page information for UK.



- Connect the aerial to input **TF** (rear panel of the TV).

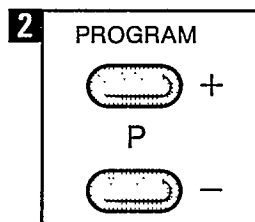
Adjustment


Switching on/off

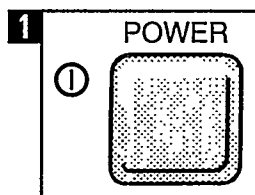


To switch on:

- Press button **1** on the TV. A number appears in the window.



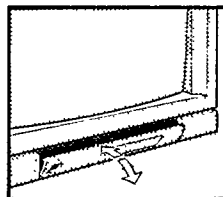
Note: If indication LED  lights up you can switch the TV by pressing button **P +** or button **P -**.



To switch off:

- You can switch the TV off by pressing button **1** again.

Control panel



- Open the control panel flap on the front of the TV.

Searching for and storing TV stations in the memory

Important!
For programming the TV we speak about:

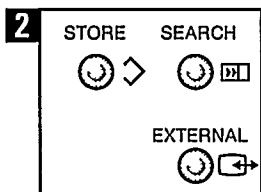
Programme numbers

When the TV is switched on, select the required TV station by a programme number. The programme number is the number you have allocated to a TV station (from 0-39).

The first ten programme numbers can be indicated by one digit (0-9) or two digits (00-09).

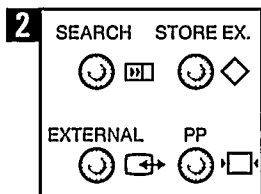
The way to search for and store TV stations is described below.

Operations **A**, **B**, **C** and **D** must be performed in the order shown.



A Opening the memory

- Press button on the TV. A programme number starts to flash in the window.



B Tuning to a TV station

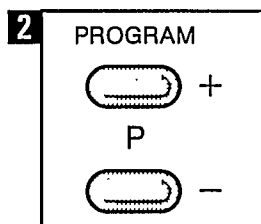
- Press button and release immediately.

Three bars will appear in the window.



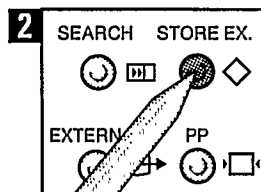
At the same time the digits 1 to 8 (marking the beginning to the end of the band) indicate the position where one is searching on the band.

When a TV station appears on the screen the same digit as in **A** starts flashing again. Poor picture? Not the right station? Continue searching by pressing button again momentarily.



C Selecting the programme number of a TV station

- You can select the required programme number by pressing button **P** — to run back or **P +** to run on.



D Storing TV stations you have found in the memory

- Press button using a pencil. The programme number you have selected no longer flashes in the window.

Searching for and storing other TV stations

To search for and store the other stations repeat operations **A**, **B**, **C** and **D**.

If you connect a Video Recorder to the aerial socket you can store the Video Recorder signal for reproduction under any available programme number.

Personal preference setting of picture and sound

Picture and sound have already been set at the factory.

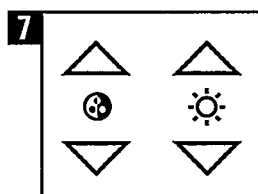
It is, however, possible to set both picture and sound according to your personal preference and to store these settings in the memory.

Adjustment

To do this, press the plus or minus side of the relevant buttons:



Volume

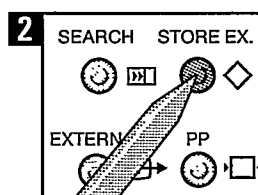


Colour saturation

Brightness

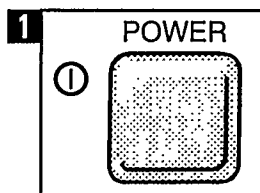
Storing personal preference setting

- Press button using a pencil.



Operating the TV

Switching On/Off



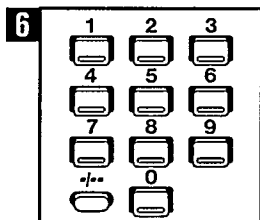
To switch on:

- Press button ①. A programme number appears in the window.

To switch off:

- Press button ① again.

Selecting the required programme number



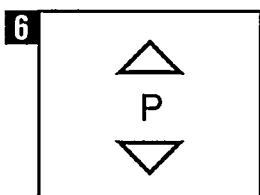
- Select the required programme number with the digit buttons.

- Press button \rightarrow for programme numbers containing two digits.

To return to single-digit programme numbers:

- Press button \rightarrow again.

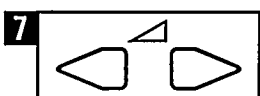
To select a lower or higher program number



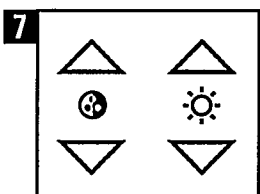
- Press the ∇ P button to select a lower program number.
- Press the Δ P button to select a higher program number.

Changing picture and sound settings

You can change the picture and sound settings by pressing the plus Δ/\triangleright or minus ∇/\triangleleft side of the following buttons:



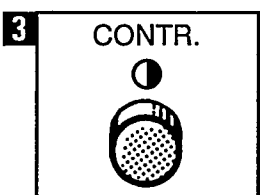
Volume \triangleleft



Colour saturation \odot

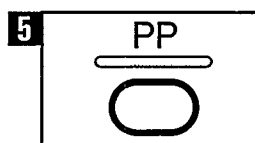
Brightness \odot

Contrast



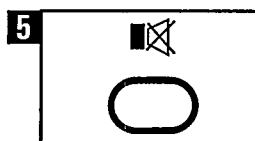
- You can set the contrast (black/white distribution) as desired using knob ③.

(Green) button PP



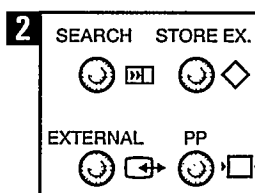
The personal preference setting of picture and sound can be called up by pressing the green button.

Muting the sound



- Press button \boxtimes for muting the sound.
- For sound, press button \boxtimes again.

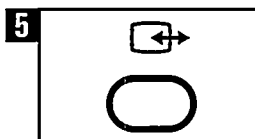
TV/External mode



The External mode is for the use of equipment connected to the Euroconnector. For more information see 'Euroconnector' section under 'Other connection facilities'.

When selecting TV stations the TV should be in the TV mode.

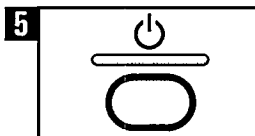
Indicator EXTERNAL (E1 or E2) should not light up.



- If necessary press button \rightarrow .

Standby

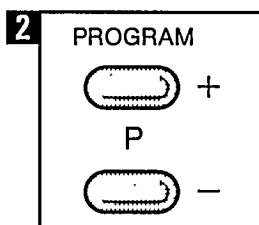
(Interruption of picture and sound)



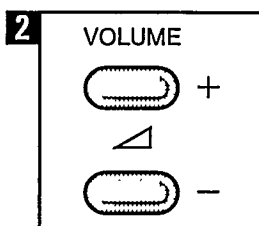
- Press button ⏻ . Indication LED (marked ⏻) lights up.
- You can switch the TV on again by pressing a digit button on the remote control.

Operating the TV without remote control

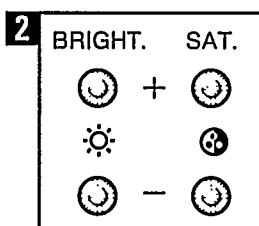
To do this, press the plus + or minus — side of the relevant buttons:



Programme selection **P**

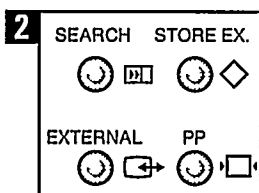


Volume



Brightness

Colour saturation



Button

The personal preference setting of picture and sound can be called up by pressing the button.

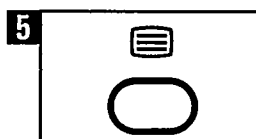
Teletext

Important! This applies only to TV sets equipped for Teletext.

Teletext - is an information system that displays text on your TV screen. Using the Teletext information system you can select a page of information on a subject that is available in its list of contents (index).

To operate Teletext

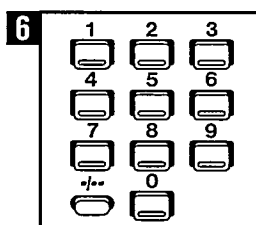
- Select a TV station on which Teletext is being transmitted (check with a TV programme guide).
- Press the button. Usually the list of contents (index) is displayed on the screen.



The following procedures apply only after Teletext has been selected:

To select a page of Teletext

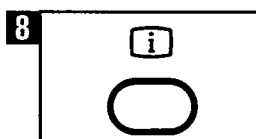
- Press the appropriate digit buttons for the required Teletext page number.



The selected page number is displayed at the top left corner of the screen. The Teletext page counter searches until the selected page number is located, so that the required information is displayed on the screen.

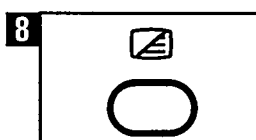
To return to the index page

- Press the button to directly select the index page.
- Alternatively select the page number of the index (e.g. page 100).



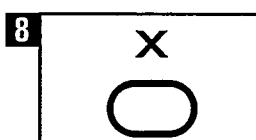
To select Teletext with a TV programme

- Press the button. The text is now superimposed over the TV programme on the screen.
- Press the button again to return to the Teletext page.

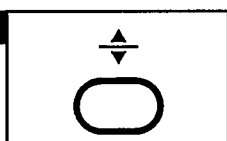


To switch between Teletext and the TV programme

- Press the **X** button. The TV programme appears, and is displayed in the top left corner of the screen.
- Press the **X** button again to return to the Teletext page.



8



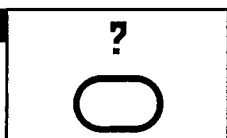
To select double height text

- Press the ⇄ button for the top half of the information page to be displayed in double height text.
- Press the ⇄ button for the bottom half of the information page to be displayed in double height text.
- Press the ⇄ button again for the full page of normal height text.

To reveal 'concealed' information

(Sometimes a Teletext page contains concealed information, for example in a quiz or puzzle.)

8

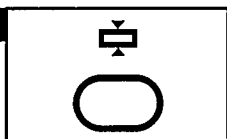


- Press the ? button. The concealed information is then displayed on the screen.
- Press the ? button again so that the concealed information is removed from the display.

To stop an automatic page-change

(More information may follow the page of Teletext you have selected; and it is automatically displayed after a short period of time).

8

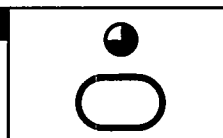


- Press the ⏏ button to stop the automatic page-change.
- Press the ⏏ button again so that the next page of text can be displayed.

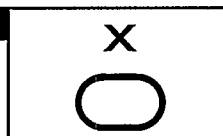
To select a time-planned page

(You can select a page of Teletext information which can then be displayed on the TV screen at a certain time.)

8



8



- Select the required Teletext page.
- Press the ⌚ button.
- Select the required time by pressing four digit buttons (e.g. 20.10).

- Press the X button to return to a previously selected TV programme.

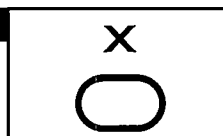
When the selected time is reached:

either,

The required Teletext page is superimposed over the TV programme.

- Press the X button to remove the TV programme from the screen.

8



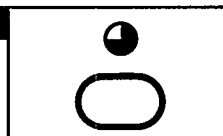
or,

The time is displayed in the top left corner of the screen.

- Press the X button to display the Teletext page on the screen.

- Press the ⌚ button to cancel this 'time-planned page' selection.

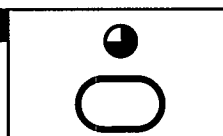
8



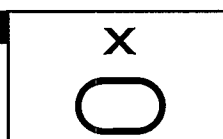
To select a subcode page

(Subcode pages are sub-sections of long Teletext pages that can only be displayed on the screen one section at a time.)

8



8



- Select the required Teletext page.
- Press the ⌚ button.
- Press a digit button (for the required subcode page).

- If the subcode page is not immediately available then press the X button to return to the TV programme. When the subcode page becomes available the subcode number is displayed in the top left corner of the screen.

- Press the X button to display the subcode page.

Note: Time-planned and subcode pages are only available with certain pages on some Teletext broadcasts.

To select a Teletext subtitled TV programme

(Subtitles can only be displayed on the screen if the TV station adds this facility to the TV programme - check with a TV programme guide.)

- Select the Teletext page indicated in the TV programme guide. The TV programme with subtitles now appears on the TV screen.

To 'fast' select Teletext pages

(Sometimes a page of Teletext information can be selected quickly.)



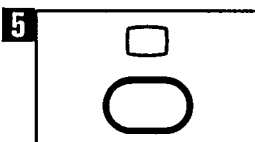
- The next sequential page of Teletext information can be selected by pressing the RED button (e.g. page 101 can be selected after page 100).


or,

The subject-heading for the information may have a particular colour, or can be placed inside a coloured box.

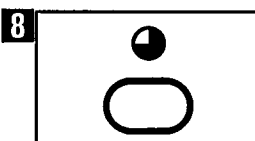
- Press an appropriate RED, GREEN, YELLOW or BLUE button.



To exit Teletext



- Press the  button. The previously selected TV station appears again on the screen.

To display the time



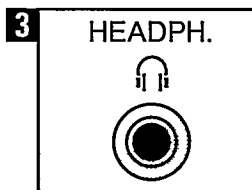
- Press the  button. The current time is displayed in the top right corner of the screen. (e.g. 21.00).
- Press the  button again to remove the time display.


Note: The time can only be displayed when Teletext is available on the selected TV station.

Other connection facilities

Headphones

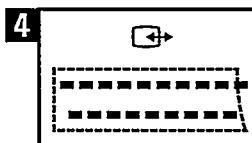
(front panel of TV)




A headphone (8-1000 Ohm) with a 6.3 mm jackplug can be connected to socket . The built-in loudspeaker is switched off automatically when headphones are used.

Euroconnector

(on rear panel of TV)



The Euroconnector is a multi-functional socket for connecting sources supplying Audio and/or CVBS or RGB signals. See the operating instructions of the source to be connected.


Before the source is connected to the Euroconnector it is advisable to switch the TV off momentarily using button . When using connected equipment you must switch to the External position.

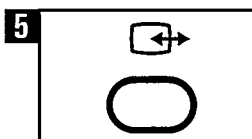
Switching may be:

- **Automatic**


If the source to be connected supplies the switchover signals for this. Indicator E lights up in window.

- **Non-automatic**

If the source to be connected does not supply an automatic switchover signal, you can switch over using button  (External) on the remote control. Indicator E- lights up in the window.



Depending on the equipment connected, CVBS or RGB signals are supplied. Select digit 1 (for CVBS) or digit 2 (for RGB) using the digit buttons. The indicator E1 or E2 lights up in the window.

- To return to the TV-programme, press button  again.

Video Recorder

(Intended for most Video Recorders in our range)

Installation

Connection via aerial cable

- Connect the TV aerial cable to input **TR** on the Video Recorder.

- Connect the cable supplied with the Video Recorder to output **TV** on the Video Recorder and aerial input **TR** on the TV.

Connection via Euroconnector


If required, you may also connect a Eurocable. Consult your dealer for the correct Eurocable.

Connecting the Video Recorder via a Euroconnector offers the following advantages:

- increased quality of picture and sound reproduction
- easier operation.

Adjustment

Important:


Adjustment is only necessary if the Eurocable is **not** connected. Indicator E1 or E2 in the window must not light up. Press button  if necessary.

Searching for and storing the Video Recorder channel in the memory



- Press the playback button 'Play' on the Video Recorder. There must **not** be a cassette in the cassette holder.

To search for and store the Video Recorder channel in the memory (recognisable by a test pattern), you should perform the following operations **A**, **B**, **C** and **D** on the TV.

A Opening the memory

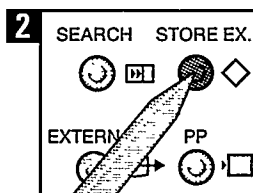
- Press button . A programme number starts flashing in the window.

B Searching for the Video Recorder channel


- Press button  briefly. When a picture appears on the screen the same digit as in **A** starts flashing again. If this is not the test pattern, you must continue searching by pressing button  briefly again.

C Selecting a programme number

- You can select the required programme number by pressing button **P** — to run back or **P** + to run on.



D Storing the Video Recorder channel in the memory

- Press button  using a pencil.

Note: For play back of a video cassette you have to select the programme number on which you have stored the Video Recorder channel.

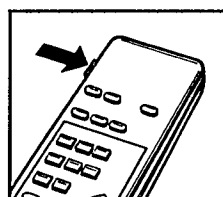
Operating the Video Recorder

a. If no Eurocable is connected, select the reserved programme number for the Video Recorder channel.

b. If a Eurocable is connected, your TV is automatically switched over to the Video Recorder channel.

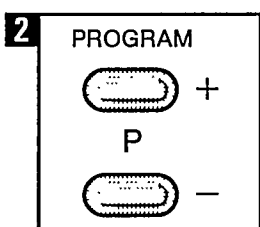
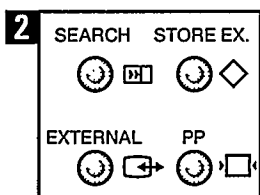
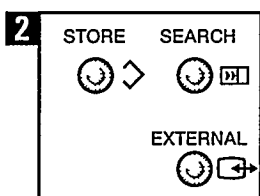
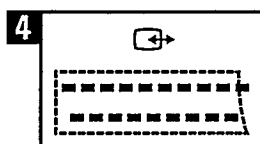
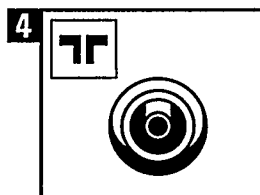
Operating the Video Recorder via the TV remote control

(intended for most Video Recorders from our range)



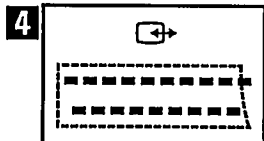
As long as the button (on the side of the remote control) is kept pressed in, instructions can be given to the Video Recorder.

For the use and functions of the symbols see the Operating Instructions for your Video Recorder. The functions of these buttons correspond to those of the buttons on the Video Recorder.



Technical information

Euroconnector




The specification of the Euroconnector is as follows:

Pin

1	audio output (connected to pin 3)	0.5 Vrms/ ≤ 1 kohm
2	audio input (connected to pin 6)	0.5 Vrms/ ≥ 10 kohms
3	audio output	0.5 Vrms/ ≤ 1 kohm
4	earth connection for audio	
5	earth connection B input	
6	audio input	0.5 Vrms/ ≥ 10 kohms
7	B input	0.7 Vpp/75 ohms
8	remote control signals + status input	0-2/9.5-12 V/ ≥ 10 kohms
9	earth connection G input	
10	not connected	
11	G-input	0.7 Vpp/75 ohms
12	not connected	
13	earth connection R input	
14	not connected	
15	R input	0.7 Vpp/75 ohms
16	fast blanking input	0-0.4/1-3 V/75 ohms
17	earth connection CVBS	
18	earth connection fast blanking	
19	CVBS output	1 Vpp/75 ohms
20	CVBS input	1 Vpp/75 ohms
21	screening plug	

General

- If the TV picture or sound does not give the desired result, check to ensure that the power is on, the aerial is connected and all the controls are set correctly.
- If there is no sound, check whether the loudspeaker has been switched off with button  on the remote control.
- If a bright white line appears on the screen or 'F' appears in the window together with a digit, switch off the TV and consult your dealer.
- The rear cover of the set should only be removed by a service technician.
- In order to get the longest possible service from your remote control we advise you to handle it carefully and avoid dropping or banging it.
- If the TV does not react to commands given with the remote control the batteries are probably flat. Replace them. It is advisable to use Philips Alkaline batteries, type LR03.

Cleaning the TV screen

The TV screen can be cleaned if necessary with a damp chamois leather. Do not use aggressive cleaning agents.

Notes

(GB) IDENTITY CARD

This card, together with the terms of guarantee (to be provided by your dealer) forms the full certificate of guarantee for this appliance

**(D) GERÄTE-
KENNKARTE**

Diese Karte ist, zusammen mit den Garantiebestimmungen, die Ihr Händler Ihnen aushändigt, Ihr Garantieschein für dieses Gerät

**(F) CARTE
D'IDENTIFI-
CATION**

Associée aux conditions de garantie (qui vous sont remises par le revendeur) cette carte constitue le certificat de garantie de cet appareil

**(NL) IDENTIFI-
CATIEKAART**

Deze kaart vormt, samen met de garantievoorwaarden (welke door uw dealer verstrekt worden), het garantiebewijs voor dit apparaat

**(I) CARTE D'IDENTIFI-
CAZIONE**

Questa cartolina rappresenta insieme alle condizioni di garanzia (da consegnare dal vostro rivenditore) il documento di garanzia per questo apparecchio

**(E) TARJETA DE
IDENTIFICACIÓN**

La garantía de este aparato se compone de esta tarjeta y de las condiciones de garantía que le entregará su concesionario

**(P) CARTÃO DE
IDENTIFICAÇÃO**

Este cartão em conjunto com as condições de garantia em vigor (explicadas pelo seu vendedor) constituem o certificado de garantia do seu aparelho

(DK) I.D. KORT

Dette kort, udfyldt af Deres forhandler, er tilstrækkelig garantidokumentation for dette apparat

**(N) IDENTIFIKA-
SJÖSKORT**

Dette kort, sammen med garantibetingelsene (som De får av forhandleren) utgjør garantibeviset for dette apparat

**(S) IDENTIFIERINGS-
KORT**

Detta kort tillsammans med garantivilkoren, som Du får av radiohandlaren, utgör ett fullständigt garantibevis för denna produkt

**(SF) TUNNISTUS-
KORTTI**

Tämän laitteen takuutodistus muodostuu tästä kortista ja takuuehdoista (jälleenmyyjä antaa mukaan)

**(GR) ΔΕΛΤΙΟ
ΤΑΥΤΟΤΗΤΑΣ**

Η κάρτελλα αυτή μαζί με τους όρους εγγυήσεως (που θα προμηθευθείτε από το κατάστημα που αγοράσατε την συσκευή) αποτελούν το πλήρες πιστοποιητικό εγγυήσεως της συσκευής σας

PHILIPS

